UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,005	09/28/2001	David Bruce Kumhyr	AUS9-2001-0766-US1	4840

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EXAMINER
TO, JENNIFER N

ART UNIT	PAPER NUMBER
2127	

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01/10/2000*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-33* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-33* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *01/10/2000* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   Claim 1-33 are presenting for examination.

2.   The abstract of the disclosure is objected to because it is exceed 150 words in length. Correction is required. See MPEP § 608.01(b).

3.   The title is too long. A new title is required that is as short and specific as possible.

4.   The cross reference related to the application cited in the specification must be updated (i.e. update the relevant status, with PTO serial numbers or patent numbers where appropriate, on page 1, line 14. The entire specification should be so revised).

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims 1, 6-8, 12, 17-19, 23, 27-30 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Grundy ("Visual Specification And monitoring Of Software Agents In

Decentralized Process Centered Environments", published November 3rd 1998)

7.   As per claim 1, Grundy teaches the invention substantially as claimed including a

computer controlled user interactive display system for dynamically tracking and

controlling the building of software program objects comprising:

        means for tracking each of a plurality of sets of sequential build events,

each set of sequential build events respectively building a program object (page

4, lines 19-26 and page 6, lines 1-8);

        means for displaying each of said sets of sequential build events (page 5,

line 2 and page 6, line 15); and

        means associated with each of said displayed sequential build events

enabling a user to interactively register to perform an action on said build event

(page 5, lines 4-5).

8.   Grundy did not specifically teach the mean for associate with each of said

displayed sequential build events enabling a user to interactively unregister to perform

an action on said build events. However, Grundy disclosed the

enactments/deenactments by the users when the system is in finish stage (figures 3

&10, page 5, lines 4-5, and page 14, lines 3-4).   It would have been obvious to one of

an ordinary skill in the art at the time the invention was made to have recognized that

once there is an option for a user to register for performing an action, there will be an
option for a user to unregister too. Doing so would ease the control of information
access and usage (page 5, line 5).

9.   As per claim 6, Grundy further teaches:

    a. said registered action is notice to the registered user of a state in a build
       event (page 8, lines 18-20).

10.   As per claim 7, Grundy further teaches:

    a. another registered action may be selectively performed by the registered
       user (page 13, lines 1-3).

11.   As per claim 8, Grundy further teaches:

    a. the registered user is a manager of the building of a program object (page
       2, lines 30-33, 37-38);

    b. the state in a build event is a request of another user to register or
       unregister (page 9, lines 9-11); and

    c. the selective action performed by said manager is the authorization of the
       request (page 11, lines 27-29, 36-40 and page 12, lines 1-3).

12.   As per claims 12 and 23, they are rejected for the same reason as claim 1 above.

13.   As per claims 17-19 and 27-30, they are rejected with the same reason as claims 6-8 above.

14.   Claims 2-5, 9-11, 13-16, 20-22, 31-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grundy as applied to claims 1, 12 and 23 above in view of Notess et al. (U.S. Patent No. 5438659).

15.   As per claim 2, Grundy did not specifically teach means for determining whether the user is authorized to perform said action.

         However Notess teaches means for determining whether the user is authorized to perform said action (col. 7, lines 66-68 and col. 8, lines 1-7).

16.   It would have been obvious to one of an ordinary skill in the art at the time the invention was made to have combined the teaching of Grundy and Notess because Notess's determining step would improve the security of Grundy's system by having addition step of determing whether user is an authorized user (Notess, col. 8, lines 51-52).

17.   As per claim 3, it is rejected base on claim 2.

18.   As per claim 4, Notess teaches means responsive to a state in a build event for

automatically performing a registered action on said build event (col. 12, lines 8-11 and

col. 12, lines 36-39).

19.   As per claim 5, Notess teaches means responsive to a state in a build event for

enabling a user to selectively perform a registered action on said build event (col. 12,

lines 15-18).

20.   As per claim 9, Notess teaches:

        means enabling a user to selectively request a displayed data entry dialog

        box (col. 9, lines 65-69 and col. 10, lines 1-2); and

        means for determining from the data entered in said box whether the user

        is authorized to unregister to perform an action (col. 9, lines 3-12).

21.   As per claim 10, Grundy teaches means for tracking a sequence of build events

in the building of a program object (page 6, lines 1-8); and means for displaying each of

said sequence build events (page 5, line 2 and page 6 line 15).

    In additional Notess teaches a menu of actions said user may selectively perform

on the associated build event at the current state of the event (col. 7, lines 17-22); and

data entry means enabling the user to request registration to perform an action on the

build event or unregistration to perform an action on the build event (col. 6, lines 57-62).

22.   As per claim 11, it is rejected for the same reason as claim 10 above.

23.   Claims 13-16 and 24-27 are rejected for the same reason as claims 2-5 above.

24.   Claims 20-22 and 31-33 are rejected for the same reason as claims 9-11 above.

Conclusion

25.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

   Mezick (U.S. Patent No. 5872974) teaches a GUI software development system

   that executes in a multitasking environment with property setting manager

   program that provides a means whereby a programmer may readily store and

   retrieve one of plurality of program objects.

   Cook et al. (U.S. Patent No. 6178432 B1) teaches a method for creating an

   interactive webpage.

   Stern et al. (U.S. Patent No. 6535930 B2) teaches a method for performing

   actions while selecting objects on a user interface display.

   LeGall et al. (U.S. Patent No. 6081263) teaches a method for creating user

   configurable interactive display, wherein a control area is invoked in order to

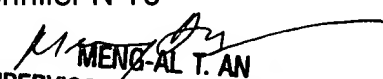   display representation of at least one operating environment.

Grundy et al. (1995 IEEE, "Support for Collaborative, Integrated Software Development") and Grundy et al. (1995 IEEE, "Software environment support for integrated formal program specification and development") teach different developers can synchronously, semi-synchronously and asynchronously edit multiple view of software development.

26.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer N. To whose telephone number is (571) 272-7212. The examiner can normally be reached on M-T 7AM-4: 30 PM, F 7AM-3: 30PM.

27.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

28.   Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennifer N To

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